BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Improvements To Roads And Drains at Shivapura and Surrounding Area in Ward No.05 Jakkur

BYATARAYANAPURA DIVISION

PRE-MEASUREMENTS

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Name of work:Improvements To Roads And Drains at Shivapura and Surrounding Area in Ward No.05 Jakkur

PRE MEASUREMENTS

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.								
	For RCC Drain								
	Shivapura								
	2nd B Cross Road From Dead End to Main Road								
	RHS	1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	24.20	1.10	1.10	1.10	0.90	23.96	
	DMK Layout								
	1st Cross Road From Palanahalli Main road to Dead End								
	LHS	1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	4.60	1.10	1.10	1.10	0.90	4.55	
	RHS								
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	11.00	1.10	1.10	1.10	0.80	9.68	
		1	19.20	1.10	1.10	1.10	0.80	16.90	
	Dead End Road Near Pavamana Building								
	From Cross Road to Dead End								
		1	30.00	1.10	1.10	1.10	0.50	16.50	
		1	6.00	1.10	1.10	1.10	0.60	3.96	
	Kattigenahalli Near Om Circle								
	Main Road								
	From Om Circle to 1st B Cross Road								
	LHS								
		1	25.00	1.10	1.10	1.10	0.80	22.00	
	From 6th cross to 7th cross								
	LHS	1	30.00	1.10	1.10	1.10	0.75	24.75	
	RHS	1	25.60	1.10	1.10	1.10	0.75	21.12	
	From 7th cross to 8th cross								
	RHS	1	26.00	1.10	1.10	1.10	0.75	21.45	
	1st B Cross Road From Main Road to Dead End								
	LHS								
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	12.50	1.10	1.10	1.10	0.80	11.00	
	RHS								
		1	30.00	1.10	1.10	1.10	0.80	26.40	

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Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	5.50	1.10	1.10	1.10	0.80	4.84	
	6th Cross Road From Main Road to Dead End								
	LHS								
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	24.00	1.10	1.10	1.10	0.80	21.12	
	7th Cross Road From Main Road to Dead End								
	LHS								
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	16.20	1.10	1.10	1.10	0.80	14.26	
	RHS								
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	22.00	1.10	1.10	1.10	0.80	19.36	
	8th Cross Road From Main Road to Dead End								
	RHS								
		1	30.00	1.10	1.10	1.10	0.80	26.40	
		1	15.80	1.10	1.10	1.10	0.80	13.90	
	Bhagath Singh Layout								
	Dead End Road (LHS)	1	10.00	1.10	1.10	1.10	0.80	8.80	
	Palanahalli Main road								
	From BBMP Dry Waste Collection Center to Dead End								
		1	30.00	1.80	1.80	1.80	1.00	54.00	
		1	30.00	1.80	1.80	1.80	1.00	54.00	
		1	30.00	1.80	1.80	1.80	1.00	54.00	
		1	4.50	1.80	1.80	1.80	1.00	8.10	
		1	30.00	1.80	1.80	1.80	1.00	54.00	
		1	30.00	1.80	1.80	1.80	1.00	54.00	
		1	20.00	1.80	1.80	1.80	1.00	36.00	
	For RCC Culvert								
	Shivapura								
	Culvert at 2nd B Cross	1	5.90	1.70	1.70	1.70	0.90	9.03	
	Kattigenahalli Near Om Circle								
	Main Road								
	Culvert at 1st B Cross	1	6.00	1.70	1.70	1.70	0.90	9.18	
		1	7.00	1.70	1.70	1.70	0.90	10.71	
							Present Qty =	**1228.17**	**Cum**

Assistant Engineer
Ward No.05

Assistant Executive Engineer
Bytarayanapura Sub-Division
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Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.								
	For RCC Drain								
	Shivapura								
	2nd B Cross Road From Dead End to Main Road								
	RHS	1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.10	3.00	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.10	3.00	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	24.20	1.00	1.00	1.00	0.10	2.42	
	DMK Layout								
	1st Cross Road From Palanahalli Main road to Dead End								
	LHS	1	30.00	1.00	1.00	1.00	0.10	3.00	
		1	30.00	1.00	1.00	1.00	0.10	3.00	
		1	30.00	1.00	1.00	1.00	0.10	3.00	
		1	4.60	1.00	1.00	1.00	0.10	0.46	
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.10	3.00	
		1	30.00	1.00	1.00	1.00	0.10	3.00	
		1	11.00	1.00	1.00	1.00	0.10	1.10	
		1	19.20	1.00	1.00	1.00	0.10	1.92	
	Dead End Road Near Pavamana Building								
	From Cross Road to Dead End								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	6.00	1.00	1.00	1.00	0.10	0.60	
	Kattigenahalli Near Om Circle								
	Main Road								
	From Om Circle to 1st B Cross Road								
	LHS								
		1	25.00	1.00	1.00	1.00	0.15	3.75	
	From 6th cross to 7th cross								
	LHS	1	30.00	1.00	1.00	1.00	0.15	4.50	
	RHS	1	25.60	1.00	1.00	1.00	0.15	3.84	
	From 7th cross to 8th cross								
	RHS	1	26.00	1.00	1.00	1.00	0.15	3.90	
	1st B Cross Road From Main Road to Dead End								
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	12.50	1.00	1.00	1.00	0.15	1.88	
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	

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Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	5.50	1.00	1.00	1.00	0.10	0.55	
	6th Cross Road From Main Road to Dead End								
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	24.00	1.00	1.00	1.00	0.15	3.60	
	7th Cross Road From Main Road to Dead End								
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	16.20	1.00	1.00	1.00	0.15	2.43	
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	22.00	1.00	1.00	1.00	0.15	3.30	
	8th Cross Road From Main Road to Dead End								
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	15.80	1.00	1.00	1.00	0.15	2.37	
	Bhagath Singh Layout								
	Dead End Road (LHS)	1	10.00	1.00	1.00	1.00	0.15	1.50	
	Palanahalli Main road								
	From BBMP Dry Waste Collection Center to Dead End								
		1	30.00	1.70	1.70	1.70	0.15	7.65	
		1	30.00	1.70	1.70	1.70	0.15	7.65	
		1	30.00	1.70	1.70	1.70	0.15	7.65	
		1	4.50	1.70	1.70	1.70	0.15	1.15	
		1	30.00	1.70	1.70	1.70	0.15	7.65	
		1	30.00	1.70	1.70	1.70	0.15	7.65	
		1	20.00	1.70	1.70	1.70	0.15	5.10	
	For RCC Culvert								
	Shivapura								
	Culvert at 2nd B Cross	1	5.90	1.50	1.50	1.50	0.15	1.33	
	Kattigenahalli Near Om Circle								
	Main Road								
	Culvert at 1st B Cross	1	6.00	1.50	1.50	1.50	0.15	1.35	
		1	7.00	1.50	1.50	1.50	0.15	1.58	
							Present Qty =	**184.37**	**Cum**

Assistant Engineer
Ward No.05

18/8/2024

Assistant Executive Engineer
Bytarayanapura Sub-Division

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Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs	Total Wt in Kg's	Unit	
4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 TMT Bars Fe-500								
	For RCC Drain								
	Shivapura								
	2nd B Cross Road								
	RHS								
	Total length of drain =204.20								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	1634	2.20	3594.80	0.62	2228.78		
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	19	204.20	3879.80	0.62	2405.48		
	DMK Layout								
	1st Cross Road								
	LHS								
	Total length of drain =94.60								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	757	2.10	1589.28	0.62	985.35		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	19	94.60	1797.40	0.40	718.96		
	RHS								
	Total length of drain =90.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	721	2.00	1442.00	0.62	894.04		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	17	90.00	1530.00	0.40	612.00		
	Total length of drain =30.20								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	243	2.00	486.00	0.62	301.32		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	17	30.20	513.40	0.40	205.36		
	Dead End Road Near Pavamana Building								
	RHS								
	Total length of drain =36.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	289	1.50	433.50	0.62	268.77		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	13	36.00	468.00	0.40	187.20		
	Kattigenahalli Near Om Circle								
	Main Road								
	LHS								
	Total length of drain =25.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	201	2.00	402.00	0.62	249.24		
	Distrubution Bars 8mm dia@125mm c/c								

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Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs	Total Wt in Kg's	Unit	
	0.40kg/mtr	1	17	25.00	425.00	0.40	170.00		
	Total length of drain =30.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	241	1.80	433.80	0.62	268.96		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	16	30.00	480.00	0.40	192.00		
	RHS								
	Total length of drain =25.60								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	206	1.80	370.80	0.62	229.90		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	16	25.60	409.60	0.40	163.84		
	Total length of drain =26.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	209	1.90	397.10	0.62	246.20		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	17	26.00	442.00	0.40	176.80		
	1st B Cross Road								
	LHS								
	Total length of drain =102.50								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	821	2.00	1642.00	0.62	1018.04		
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	17	102.50	1742.50	0.62	1080.35		
	RHS								
	Total length of drain =125.50								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	1005	2.00	2010.00	0.62	1246.20		
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	17	125.50	2133.50	0.62	1322.77		
	6th Cross Road								
	LHS								
	Total length of drain =54.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	433	2.00	866.00	0.62	536.92		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	17	54.00	918.00	0.40	367.20		
	7th Cross Road								
	LHS								
	Total length of drain =46.20								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	375	2.00	750.00	0.62	465.00		
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	46.20	831.60	0.62	515.59		
	RHS								
	Total length of drain =52.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	420	2.00	840.00	0.62	520.80		

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Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs	Total Wt in Kg's	Unit	
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	18	52.00	936.00	0.40	374.40		
	8th Cross Road								
	RHS								
	Total length of drain =45.80								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	370	2.00	740.00	0.62	458.80		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	17	45.80	778.60	0.40	311.44		
	Bhagath Singh Layout								
	Dead End Road								
	LHS								
	Total length of drain =10.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	83	2.00	166.00	0.62	102.92		
	Distrubution Bars 8mm dia@125mm c/c								
	0.40kg/mtr	1	19	10.00	190.00	0.40	76.00		
	Palanahalli Main road								
	From BBMP Dry Waste Collection Center to Dead End								
	Total length of drain =90.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	725	3.20	2320.00	0.62	1438.40		
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	30	90.00	2700.00	0.62	1674.00		
	Total length of drain =4.50								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	38	3.20	121.60	0.62	75.39		
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	30	4.50	135.00	0.62	83.70		
	Total length of drain =80.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	646	3.30	2131.80	0.62	1321.72		
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	30	80.00	2400.00	0.62	1488.00		
	Double Matt								
	For RCC Culverts								
	Shivapura								
	Culvert at 2nd B Cross								
	Total length of Culvert-1 =5.90 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	49	2.40	235.20	0.89	209.33		
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	22	5.90	259.60	0.62	160.95		
	Kattigenahalli Near Om Circle								
	Culvert at 1st B Cross								
	Total length of Culvert-1 =6.00 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	49	2.70	264.60	0.89	235.49		

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Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs	Total Wt in Kg's	Unit	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	24	6.00	288.00	0.62	178.56		
	Total length of Culvert-1 =7.00 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	57	2.70	307.80	0.89	273.94		
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	24	7.00	336.00	0.62	208.32	660.82	
							26248.43	**Kgs**	
						Present Qty=	**26.25**	**Tonne**	

Assistant Engineer
Ward No.05

Assistant Executive Engineer
Bytarayanapura Sub-Division

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